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Supplementary file to “The psychological impact of a positive surgical margin after radical prostatectomy”

T1 Attrition analysis

Variables	Not returning follow-up questionnaires N=17	Returning at least one follow-up questionnaire N=370	p-value
Positive surgical margin, N(%)	6 (35)	88 (24)	0.3
Age (years) at diagnosis, mean (SD)	62.6 (7.9)	66.8 (6.3)	0.007
Level of education, N(%)			0.6
≤12 years	10 (67)	224 (61)	
>12 years	5 (33)	144 (39)	
BMI (kg/m ²), mean (SD)	26.0 (2.9)	27.1 (3.4)	0.2
Comorbidities, N (%)			0.5
0-1	14 (82)	281 (76)	
2 or more	3 (18)	89 (24)	
PSA at biopsy (µg/L), mean (SD)	15.4 (11.9)	9.8 (7.3)	0.003
ISUP on prostate biopsy, N (%)			0.7
1-2	7 (41)	118 (32)	
3	6 (35)	134 (36)	
4-5	4 (24)	118 (32)	
Uni- or bilateral nerve-sparing surgery, N (%)	12 (71)	208 (56)	0.2
Pathological stage, N (%)			0.3
pT2	10 (59)	167 (45)	
pT3	7 (41)	203 (55)	
Persistent PSA, N (%)	4 (24)	36 (10)	0.07
Biochemical recurrence*, N(%)	1 (6)	42 (11)	0.5
Postoperative radiotherapy*, N(%)	4 (24)	57 (15)	0.4
Life-long hormonal treatment*, N(%)	1 (6)	16 (4)	0.8
EORTC – QLQ C30 – Emotional, mean (SD)	80 (16)	89 (15)	0.020
Total fatigue score, mean (SD)	12.1 (2.8)	11.5 (3.8)	0.6
Anxiety and depression, mean (SD)	1.54 (0.44)	1.32 (0.45)	0.060
Problems initiating or maintaining sleep, N (%)	7 (44)	74 (21)	0.031

T2. Scores on individual CARQ-items

Variables	Positive surgical margin N=94	Negative surgical margin N=293	p-value
CARQ 1, mean (SD)			
6 months postoperatively	3.3 (2.8)	2.6 (2.6)	0.022
12 months postoperatively	4.1 (2.8)	2.8 (2.7)	<0.001
24 months postoperatively	3.7 (3.0)	2.7 (2.7)	0.006
CARQ 2, mean (SD)			
6 months postoperatively	2.4 (2.4)	1.7 (2.2)	0.007
12 months postoperatively	2.9 (2.6)	2.4 (2.6)	0.035
24 months postoperatively	2.7 (2.6)	2.1 (2.6)	0.017
CARQ 3, mean (SD)			
6 months postoperatively	2.7 (2.6)	2.1 (2.3)	0.062
12 months postoperatively	3.1 (2.7)	2.6 (2.6)	0.79
24 months postoperatively	2.9 (2.7)	2.3 (2.6)	0.018
CARQ 4, mean (SD)			
6 months postoperatively	23.1 (24.3)	18.4 (21.2)	0.075
12 months postoperatively	29.8 (24.8)	23.6 (26.4)	0.008
24 months postoperatively	30.0 (28.5)	23.5 (27.1)	0.030

T3. Interaction between clinical factors and FoR-outcomes.

Variables	Fear of recurrence score	Self-estimated risk of recurrence	Clinical fear of recurrence
pT-stage	<0.001	0.024	0.030
Nodal involvement	0.0503	0.427	0.787
ISUP-score	0.862	0.774	0.838
Age at diagnosis	0.627	0.982	0.668
iPSA	0.101	0.083	0.529
Nerve-sparing dissection	0.425	0.906	0.653

Table reports p-values from likelihood ratio tests comparing models with two-way interaction effects (surgical margin and follow-up time) to models with three-way interactions (surgical margin, follow-up time and clinical factor of interest).

T4. Health-related quality of life and adverse effects

Variables	Positive surgical margin N=94	Negative surgical margin N=293	p-value
EQ5-D, Self-rated health Before biopsy	80 (17)	81 (14)	0.6

6 months postoperatively	78 (13)	79 (15)	0.5
12 months postoperatively	76 (13)	77 (15)	0.7
24 months postoperatively	78 (12)	79 (16)	0.7
EORTC – QLQ C30 – global QoL, mean (SD)			
Before biopsy	84 (19)	83 (18)	0.6
6 months postoperatively	80 (16)	80 (18)	0.7
12 months postoperatively	81 (16)	80 (19)	0.8
24 months postoperatively	80 (15)	79 (21)	0.5
Incontinence score, mean (SD)			
Before biopsy	93 (13)	92 (13)	0.6
6 months postoperatively	68 (29)	64 (27)	0.3
12 months postoperatively	72 (28)	69 (26)	0.4
24 months postoperatively	71 (29)	69 (26)	0.7
Irritation/obstruction score, mean (SD)			
Before biopsy	82 (17)	83 (15)	0.6
6 months postoperatively	89 (14)	88 (12)	0.6
12 months postoperatively	90 (11)	88 (13)	0.3
24 months postoperatively	89 (12)	87 (14)	0.3
Bowel score, mean (SD)			
Before biopsy	94 (10)	93 (12)	0.14
6 months postoperatively	92 (12)	92 (12)	0.7
12 months postoperatively	91 (15)	92 (13)	0.6
24 months postoperatively	91 (15)	90 (16)	0.5
Sexual score, mean (SD)			
Before biopsy	63 (28)	64 (28)	0.8
6 months postoperatively	19 (22)	18 (18)	0.7
12 months postoperatively	22 (23)	22 (20)	>0.9
24 months postoperatively	23 (23)	24 (22)	0.6
Hormonal score, mean (SD)			
Before biopsy	93 (11)	92 (12)	0.6
6 months postoperatively	87 (16)	90 (13)	0.2
12 months postoperatively	79 (20)	82 (18)	0.3
24 months postoperatively	85 (18)	86 (16)	0.7